

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2003191075  
PUBLICATION DATE : 08-07-03

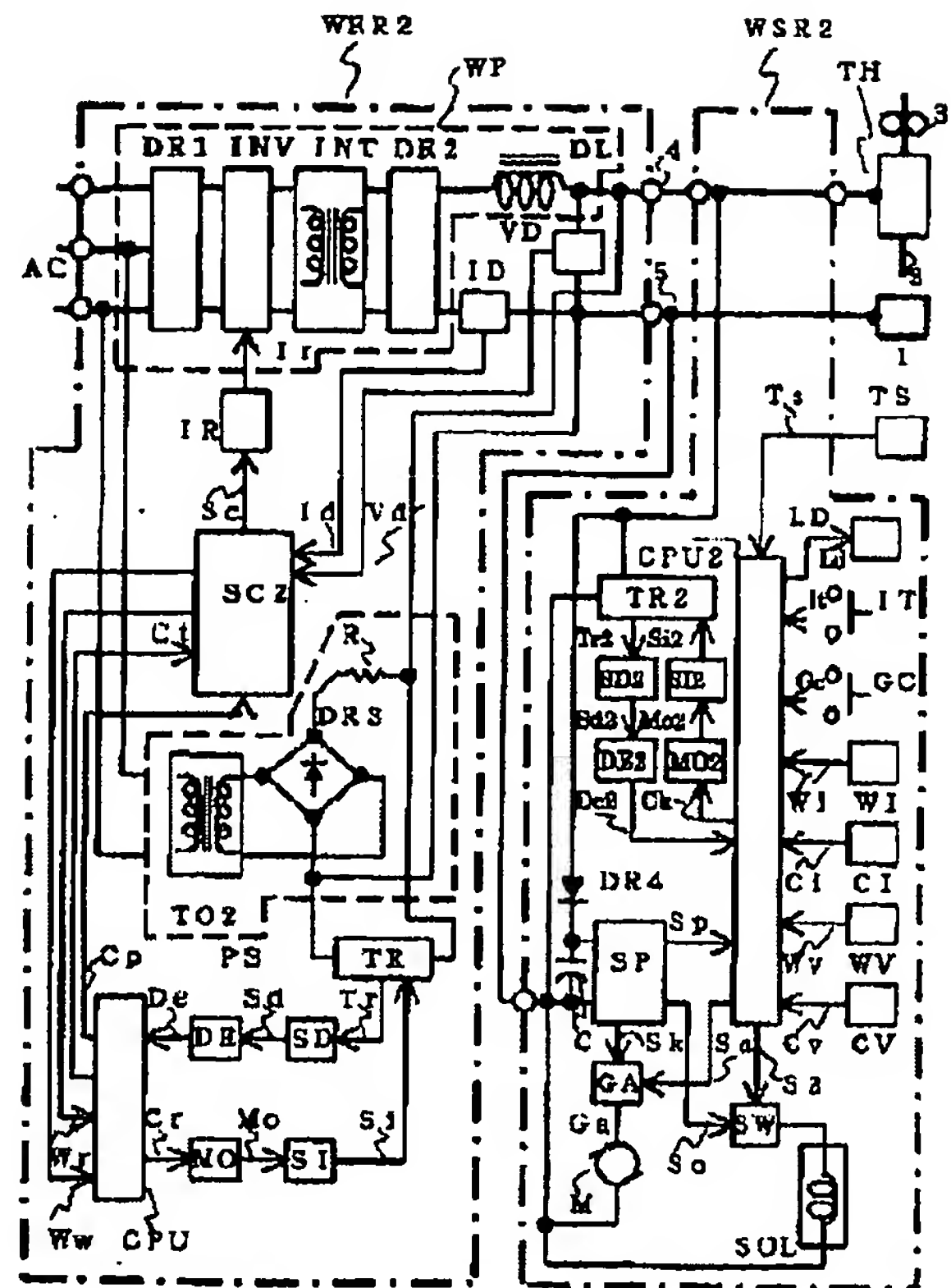
APPLICATION DATE : 25-12-01  
APPLICATION NUMBER : 2001391295

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INT.CL. : B23K 9/10 B23K 9/00 B23K 9/073  
B23K 9/12

TITLE : CONSUMABLE ELECTRODE TYPE  
ARC WELDING EQUIPMENT



ABSTRACT : PROBLEM TO BE SOLVED: To solve the problem that a workability is poor and a control cables are likely to cause disconnection because bundled and integrated control wires must be moved together with a wire feeding equipment which is separated from a welding power supply, when transported.

SOLUTION: The consumable electrode type arc welding equipment is a type in which an output control power supply PS for a standby welding period is provided in a welding power supply WER2, a control power supply SP incorporating a feeding device which inputs a control voltage from a power cable is provided in a wire feeding device WSR2, a spectrum expansion communication part which transmits and receives a control signal by a spectrum diffusion communication method between the wire feeding device WSR2 and the welding power supply WER2 via a power cable. The control voltage, which the control power supply SP incorporating a feeding device inputs, is supplied from the output control power supply PS for a standby welding period during a welding standby period, supplied from an arc voltage during a welding period, and supplied from a no-load voltage of the welding power supply WER2 during a period of a no-load voltage output.

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